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restoration of the limb regenerative ability in metamorphic stages of Bufo regularis Reuss. - Orosz, A.-Kovács, J.-Madarász, E.-Falus, A.-Ádám, G., Synaptosomal fraction of cat cerebral cortex after hypo-osmotic and detergent treatment. - Sastry, K. V., Histochemical localization of hydrochloric acid in the stomach of two teleost fishes. - Abdel-Fattah, A. F.-Sallam, L. A. R.-El-Reafai, A. H.-Zeinel-Abdin, A., Formation and some factors influencing the activity of progesterone hydroxylases by Aspergillus niger. - Szujkó-Lacza, J., Nectary gland development and functional duration in Pimpinella anisum L. - Kövér. Gv.-Telegdv-Kováts, L.-B. Kraszner. É., Effect of carbon-tetrachloride and mercuric chloride on the tocopherol and ubiquinone content of liver and kidney. - Fischer, E., Structural basis of cation exchange, complex formation and redox properties in chloragosomes. - Hagino, N., Hypothalamic responsiveness to oestrogen in hypothyroid rats. - Dhar, G. L .-Faroog, S .- Koul, K. K., Formative effects of morphactin on the shoot apical meristem of flax. - Dixit, V. P.-Lohiya, N. K.-Agrawai, M., Effect of cadmium chloride on testis and epididymides of dog. - El-Aaser, A. A .- Hassanien. S. H. M., A new direct lead technique for histochemical demonstration of alkaline phosphatase. - Recensiones.

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#### ADJUVATORIUS

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# ACTA CHIMICA

#### ACADEMIAE SCIENTIARUM HUNGARICAE

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PHYSICAL CHEMISTRY AND INORGANIC, CHEMISTRY— PHYSIKALISCHE CHEMIE UND ANORGANISCHE CHEMIE— ФИЗИЧЕСКАЯ И НЕОРГАНИЧЕСКАЯ ХИМИЯ

Beke, Gy.-Inzelt, Gy.-Jancsó, L., Investigation of Supercooled Water by Light Scattering. - Salem, T. M .- Ismail, A. A., Polarization of the Indium Antimonide Electrode. - Tewari, R. C .- Srivastava, M. N., Formation and Stabilities of Palladium(II), Platinum(IV), Gold(III) and Bismuth(III) Chelates of L-asparagine and L-glutamine. - Vértes, G .- Horányi, H., Possibilities of Use of Tungsten Oxide in Liquid-Phase Catalytic Hydrogenation. - Issa, I. M.—Issa, R. M.—Idriss, K. A.—Hamman, A. M., Spectrophotometric Studies on Purpurin and Quinalizarin in Buffer Solutions Containing Organic Solvents. - Finta, Z.-Várhelyi, Cs., On the α-Dioximine Complex of Transition Metals, XLVII. Cyano-Halogeno-bis-Dimethylglyoximato-Cobalt(III) Complex Acids and the Aquation of the [Co(DH)2(CN)X] Ions. - Narayana, K. L.-Sabale, B. P., The Green's Function Analysis of Isotopically Substituted Ozone Molecular Vibrations. - Upadhyay, R. K.-Singhal, M. L.-Saxena, S. K.-Prasad, R., Infrared Studies on Anils and their Complexes, I. - Vizi, B .- Cyvin, B. N .-Cyvin, S. J., Mean Amplitudes of Vibration for CH2NO2, CF2 CCl4NO, and CBr<sub>2</sub>NO<sub>2</sub>. - Lukovits, I.-Török, F., Extreme Values of Coriolis Coupling Constants Compatible with the Measured Normal Frequencies. - Burger, K .-Liptay, Gy.-Várhelyi, Cs., The Application of X-Ray-Photoelectron Spectroscopy (ESCA) in Co-ordination Chemistry. V. Study of Thioxyanate and Isothiocyanate Complexes. — Cyvin, S. J.—Hargittai, I., Harmonic Force Fields and Calculated Mean Amplitudes for Tungsten Oxides: WO<sub>2</sub> and WO<sub>3</sub> with Comments on the WO<sub>4</sub>—Ion. — Schultz, Gy.—Hargittai, L., On the Molecular Geometry of Gaseous 1,3-Dioxane as Studied by Electron Diffraction. — Farooq, O.—Malik, Anees-Uddin—Naseer Ahmad, Metal Amino Acid Interaction, I. A Study of the Complex Compounds of Trivalent Rare Earths with L-aspartic Acid. — Aboul, Kheir, A.—Ayad, M.—Ameer, M.M., Determination of Manganese with N Bromosuccinimide. — Hassan, E. A.—El-Sabbah, M. M. B., Activity and Activity Coefficient of Counterions in Aqueous Polyelectrolyte Solutions.

#### ORGANIC CHEMISTRY - ORGANISCHE CHEMIE - OPFAHUYECKAЯ ХИМИЯ

Raouf, A. R. A.—Omar, M. T.—Omran, S. M. A.—El-Bayoumy, K. E., Studies on 4-Thioazolidinones<sup>†</sup>, II. Reaction of Secondary Amines with L-Arylidener-hodanines and their Salts. — Raouf, A. R. A.—Omar, M. T.—El-Attal, M. M., Studies on 4-Thiazolidinones, III. Evidence for the Cleavage of 2,4-Thiazolidinediones with Amines. — Kuszmann. J.—Sohár, P., Hexitol Derivatives Containing A 1,4-Oxathiane Ring, II — Simiti, I.—Farkas, M., Study of som Heterocycles, XXXIV. Bromination and Nitration of some 2-(p-X-phenyl)-4-Chloromethylthiazoles. — Sohár, P.—Dancsi, L.—Kisfaludy, L., Ir and NMR Study of α-Aminooxycarboxylic Acids. — Pintér, I.—Tóth, G.—Messmer, A., Invisible Exchange Reaction of Aromatic Schiff Bases (Preliminary Communication).

### CHEMICAL TECHNOLOGY - CHEMISCHE TECHNOLOGIE - ХИМИЧЕСКАЯ ТЕХНОЛОГИЯ

Khattab, S. A.—Kassoumeh, M. F.—Abo-Lemon, F. S.—Roushdy, M. I., Studies on Charatchok Syrian Crude Oil. Chemical Evaluation of the distillate Fractions Up to 300 °C and Hydrotreating of the Kerosine and Gas Oil Fractions.—

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PHYSICAL AND INORGANIC CHEMISTRY -- PHYSIKALISCHE UND ANORGANISCHE CHEMIE -- ФИЗИЧЕСКАЯ И НЕОРГАНИЧЕСКАЯ ХИМИЯ

Beyer, H.—Papp, J.—Kalló, D., Irreversible Strukturveränderungen von H-Faujasit, H-Mordenit und H-Klinoptilolit durch thermische Behandlung und Einwirkung von Wasser (Irreversible Structural Changes of H-Faujasite, H-

Mordenite and H-Klinoptilolite by Thermal Treatment and the Action of Water).

— Beyer, H., Beiträge zur Kenntnis der Krackreaktionen, II. Kinetik der katalytischen Krackung von Propan sowie n- und i-Butan an H-Klinoptilolit (Contribution to the Knowledge of Cracking Reactions, II. Kinetics of the Catalytic Cracking of Propane further of n- and iso-Butane on H-Clinoptilolite). — Ratkovics, F.—László-Parragi, M., Properties of Alcohol-Amine Mixtures, VII. Conductivity of n-Butylamine-Alcohol Mixtures. — Cyvin, N.—Hargittai, M.—Cyvin, J., On the Ring Puckering of the Trimeric Tungsten Trioxide Molecule.

# ORGANIC CHEMISTRY - ORGANISCHE CHEMIE - ОРГАНИЧЕСКАЯ ХИМИЯ

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# Fasc. 2

ANALYTICAL CHEMISTRY - ANALYTISCHE CHEMIE - AHAJIUTUYECKAR XUMUR

Fekete, E.-Inczédy, J., Ion Exchange Equilibria of Some Monovalent Anions.

PHYSICAL AND INORGANIC CHEMISTRY — PHYSIKALISCHE UND ANORGANISCHE CHEMIE ФИЗИЧЕСКАЯ И НЕОРГАНИЧЕСКАЯ ХИМИЯ

Liszi, J., Dipole Association of Nitrobenzene in Non-polar Solvents. — Mushran, S. P.—Sanehi, R.—Bose, A. K., Mechanism of Cyclohexanone Oxidation by Chloramine-T. — König, P.—Fejes, P., Über die Möglichkeiten der digitalen Bestimmung der Parameter der kontakt-katalytischen Hydrierung von Äthylen. III. Die Schätzungs der Geschwindigkeitskonstanten für den stationären Fall. (On the Possibilities of the Digital Determination of the Parameters of the

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Contact-Catalytic Hydration of Ethylene, III. »Estimation« of the Rate Constants for the Steady State). — Kiss, L.—Farkas, J., Kinetic Equations of Multistep Electrode Processes, I.

ORGANIC CHEMISTRY - ORGANISCHE CHEMIE - OPFAHUYECKAR XUMUR

Kasztreiner, E.—Szilágyi, G.—Kosáry, J.—Huszti, Zs., Synthesis of O-Substituted Hydrpxylamines. — Dinya, Z.—Litkei, Gy.—Tamás, J.—Czira, G., Structural Investigation of Flavonides and Their Model Compounds, VII. Calculation of the Ionization Potential of 4- and 4'-monosubstituted Chalcones. (Short Communication). — Elkaschef, Mohamed, A.-F.—Abdel-Megeid Farouk, M. E.—Elzein Salak, M. M., Triarylmethanes, VI. Reactions of Naphtoquinone Diphenylmethides with Organometallic Compounds. — Scheiber, P.—Nádor, K., Conformation and Determination of 3,7-Diazabicyclo-[3.3.1] Nonanes. — Sohár, P.—Kosáry, J.— Kasztreiner, E., Diamagnetic Shielding of the Dibenzocycloheptatrien Ring System in Some Acylaminomalonic Ester Derivatives. — Pálosi, E.—Harsányi K.—Héja, G., 4-S-Substituierte 2,6-Dinitroaniline (4-S-Substituted 2,6-Dinitroanilines). — Harsányi, K.—Héja, G.—Korbonits, D., Basische Ester mit Antiarrhythmischer Wirkung (Basic Esters, with Antiarrhythmic Action). — Kisfaludy, L.—Schőn, L., Rapid Synthesis of Oxytocin (Short Communication).

### Fasc. 3

ANALYTICAL CHEMISTRY — ANALYTISCHE CHEMIE — АНАЛИТИЧЕСКАЯ ХИМИЯ Ikrényi, K., Tandem Titrator.

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Sárkány, A.—Guczi, L.—Tétényi, P., Über den Mechanismus der an Nickelpulver katalysierten Hydrogenolyse von Butan (On the Mechanism of the Hydrogenolysis of Butane Over Nickel-Dust Catalyst). — Martin, A.—Kiss, Á. I., Calculation of the \pi-Electronic Structure and Spectra of Hetero-disubstituted Halobenzenes by the MIM and PPP Methods. — Szotyory, L.—Ujhidy, A.—Szabó, I., Reaktionskinetische Beiträge zur Untersuchung der Ringschlußreaktion von Carbäthoxy-2-(3-Chlorphenylamino)-äthylacrylat (Reaction Kinetic Contributions to the Investigation of The Ring-closing Reaction of Carbethoxy-2-(3-chlorophenylamino)-ethylacrylate). — Géczy, I., Synthetic Linear Polymers. XXXII. Changes in the Dipole Moment of Polymer Homologous Compounds as a Function of the Molecular Weight.—Cser, F.—Hardy, Gy., Structural. Studies Polyacenaphthylene. — Wojciechowska, M.—Fiedorow, R.—Kuczynski, W./Catalytic Properties of Magnesium Fluoride.

Elkaschef, M. A.-F.—Abdel-Megeid, F. M. E.—Mokhtar, K.-E. M.—Gad, F. A., 4-Pyrones, VII. Further Reactions of 4-Pyrones. — Farkas, I.—Bognár, R.—Menyhárt, M. M.—Tarnai, A. K.—Bihari, M.—Tamás, J., Selektive Spaltung von Thioglykosiden mit Dichlormethyl-Methyläther (On the Selective Splitting of Thioglycosides with Dichloromethyl-methylether). — Dávid, É.—Bognár, R., The Reactivity of the Carbonyl Group in Flavonoid Compounds, I Kinetic Studies on the Formation of 2,4-Dinitrophenylhydrazones.

CHEMICAL TECHNOLOGY - CHEMISCHE TECHNOLOGIE - ХИМИЧЕСКАЯ ТЕХНОЛОГИЯ

Ташму хамедов С. А., Карабаев А. III., Фузаилов III., Ларин П. П., Тиллаев Р. С. и Узманов Х. У., Синтез и исследование свойств растворов привимых сополимеров поливинилового спирта с поливинилирролиндоном — (Tashmukhamenov, S. A.—Karabaev, A. Sh.—Fuzailov, Sh.—Larin, P. P.—Tillaev, R. S.—Usmanov, Kh. U., Synthesis and Study of Polyvinyl Alcohol — Polyvinylpyrrolidone Graft Copolymer Solutions).

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Gerecs, Á., Acetolysis of o-tetraacetyl-1-deoxy-1-(2',4'-di-nitrophenylhydrazino)-D-Glucopyranose (Short Communication). — Hajós, A., Synthesis of Threo-and Erythro-β-o-Tolylserine and their Derivatives. — Deák, Gy.—Gáll-Istók, K.—Hazai, L., Synthesis of Arylidene-bis(phenylacetamides (Short Communication),

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PHYSICAL AND INORGANIC CHEMISTRY – PHYSIKALISCHE UND ANORGANISCHE CHEMIE –
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# ORGANIC CHEMISTRY - ORGANISCHE CHEMIE - OPFAHUYECKAR XUMUR

Lempert-Sréter, M.—Oszbach, Gy.—Ruff, F.—Vajda, M., Isobenzpyrylium Salts. V. Polarographic and Spectrophotometric Investigation of Some Hydroxy-Substituted 1-arylisobenzpyrylium Salts. — Omar, M. T.—Basyouni, M. N., Cleavage of 2-Thiono-4-oxo-dihydro-5,6-benzo-1,3-thiazanes with Amines. — Szammer, J., Thermal Transcarboxylation Reactivities of the Aromatic Hydrogens in the Thermal Transformation of Potassium Benzoate. — Rizk, A. M.—Hammouda, F. M.—Ismail, S. I., Phytochemical Investigations of Thymelea Hirsuta, III. Coumarins. — Recensiones.

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Lengyel, T., Investigations on Ion-exchange Equilibria with Radioactive Tracer Method, XVIII. Determination of the Stability Constant of  $\operatorname{Cd}_2(OH)_2^{2+}$  with the Aid of Ionexchange Technique. — Khadikar, P. V.—Ameria, R. L., Studie on Some 5-Nitrosalicylate Complexes. — Paál, T.—Barcza, L., The Formation of Ethylene Glycol-Borates in Aqueous Medium, I. — Rytter, E., On the Classification of Normal Modes of Vibration. II. The Interaction Terms in Energy Distributions. — Sóvágó, I.—Gergely, A.—Posta, J., Equilibria of Alfa-amino Acid Complexes of Transition Metal Ions, VII. Effect of the Aliphatic Carbon Chain on the Thermodynamics and Structure of Ni(II)-amino acid Complexes. — Polinszky, K.—Fülöp, J.—Seitz, K.—Vajda, T., Approximate Analytical Determination of the Average Values of Potential Functions Occurring in Chemical Transport Phenomena.

#### ORGANIC CHEMISTRY - ORGANISCHE CHEMIE - OPTAHUYECKAR XUMUR

Szabó, V.—Zsuga, M., Cleavage of the Heterocyclic Ring of Isoflavonoids by Nucleophilic Reagents, 1. Kinetics Equilibrium Conditions of the Cleavage of the Pyrone Ring of Isoflavone (3-Phenylchromone) in Aqueous Alkaline Medium.

— Szabó, V.—Zsuga, M., Cleavage of the Heterocyclic Ring of Isoflavonoids by Nucleophilic Reagents, II. Transformations fo 2-Hydroxyisoflavonone.

— Mező, I.—Havránek, M.—Teplán, I.—Benes, J.—Tanács, B., Labelled Amino Acids and their Derivatives, VI. Preparation of L-Ornithine-[5-3H] and L-Lysine-[6-3H].

— Pozzgay, V.—Tamás, J.—Czira, G., The Structure of Cogomycin, a Polyene Antibiotic (Short Communication).

— Bulacovschi, V.—Simionescu, Cr., Co-polymerization of 3-Methyl-1-pentyn-3-ol with p-Diethynylbenzene.

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ANALYTICAL CHEMISTRY - ANALYTISCHE CHEMIE - AHAJUTUYECKAR XUMUR

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Buda, Gy., Investigation of the Alkali Feldspar Polymorphs of the Hungarian Granitoid Rocks. — Kruczyk, J.—Kadzialko-Hofmokl, M.—Jeleńska, M.—Birkenmajer, K., Paleomagnetic Investigations of Tertiary Basaltic Rocks from Lower Silesia, Poland. — Kubovics, I., In the Memory of Georgii Sergeevich Gorshkov.

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Prototype of the St. George Sculpture of Márton and György Kolozsvári. — L. Joost-Gaugier, Christiane, A Florentine Element in the Art of Jacopo Bellini. — Mojzer, M., Um Meister MZ. I. Teil. — Granasztói, P., Problèmes que posent les recherches en matière de sciences sociales et les besoins sociaux devant l'urbanisation, et leur importance pour celle-ci. — Recensiones.

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# ACTA JURIDICA

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## ACTA LINGUISTICA

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P. GÖMÖRI, T. JÁVOR, M. JULESZ, I. KÖRNYEY, GY. PETRÁNYI, J. SÓS, E. STARK

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— Gadó, I.—Dumbovich, I., Effect of Some Aminoglycosides Upon a Drug Dependent Escherichia coli Strain. — Galgóczy, J., Dermatophytes: Conidium-Ontogeny and Classification. — Lomniczi, B., The Role of Interferon in Interference and Auto-Interference Elicited by Newcastle Disease Virus. — Ambrus, G.—Albrecht, K.—Horváth, Gy., Microbiological Degradation of Diazepam. — Csiszár, K., Transfer of El and V Colicinogenic Factors to Shigella flexneri. — Berek, I.—Miczák, A.—Kiss, I.—Ivánivocs, G.—Durkó, I., Genetic and Biochemical Analysis of Haemin Dependent Mutants of Bacillus subtilis. — Hollós, I.—Pálfi, A.—Baranyai, E.—Novák, E., Immune-Indian Ink Method for Detection of Hepatitis A Associated Antigen and Antibody. — Seeliger, H. P. R., Note. Serovariants of Listeria monocytogenes and Other Listeria Species. — Sixth Congress of the Hungarian Society of Microbiology Abstracts of Papers.

## Fasc. 3

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# Fasc. 4

Ninth Meeting of the Federation of European Biochemical Societies, Budapest August 25-30, 1974, Application of Enzymes in the Transformation of Organic Compounds. - Reviews. - Sebek, O. K., The Scope and Potential of Antibiotic Conversion by Microorganisms. - Belič, I .- Sočič, H., Microbial Degradation of Steroid Alkaloids, Effect of Nitrogen Atom in the Side-Chain on the Microbial Degradation of Steroid Alkaloids. - Schlegel, J .- Schubert, K., Die Verwendung von mikrobiellen Enzymen bei Stoffwechselstudien der Steroide (Schlegel, J .- Schubert, K., Application of Microbial Enzymes in Studies of Steroid Metabolism). - Legler, G., The Mechanism of Action of Glycosidases. - Original papers. - Kleinkauf, H .- Rindfleisch, H., Non-ribosomal Biosynthesis of the Cyclic Octadecapeptide Alamethicin. - Vater, J .- Kleinkauf, H., Substrate Specificity of the Amino Acyl Adenylate Activation Sites of Gramicidin S-Synthetase (GSS). - Frøyshow, Ø., Biosynthesis of Bacitracin on a Protein Thiotemplate. - Perényi, T.-Graber, H.-Novák, E. K., The Biosynthesis of Hydroxynalidixic Acid. — Büki, K. G.—Ambrus, G.—Horváth, Gy., Metabolic Fate of Cholesteryl Methyl Ether in Mycobacterium phlei. - Ambrus, G .- Szarka, E .- Bartha, I .- Albrecht, K .- Horváth, Gy., Microbiological Hydroxylation of Norethisterone. - Szentirmai, A .- Szeleczky, Z .- Tömörkény, E., Properties of Hydroxysteroid Oxidoreductase Isolated from Yeast. -Szentirmai, A.—Tömörkény, E.—Makk, N.—Natonek, M., Production of 13βalkyl-3-methoxy-8,14-seco-1,3,5(10),9(11)-gonatetraen-14 $\beta$ -ol-17-ones and 13 $\beta$ alkyl-3-methoxy-8,14-seco-1,3,5(10),9(11)-gonatetraen-17α-ol-14-ones by Micro-Bial Enzymes. - Herrmann, I., - Repke, K. R. H., Cleavage of Cardiac Steroid Clucosides by Pure B. Glucosidase from Aspergillus wentii. - Kerényi, G .-Szentirmai, A. -Natonek, M., Properties of N5-3β-Hydroxysteroid Oxidoreductase Isolated from Streptomyces griseocarneus. - Kurth, J .- Träger, L., Steroid Receptors in Streptomyces hydrogenans: Isolation and Characterization of a High Affinity Receptor for 5α-dihydrotestosterone. - Markert, C .- Träger, L., 17β-Hydroxysteroid Dehydrogenase Activity in Streptomyces hydrogenans. -Betz, J. W. - Träger, L., RNA-Metabolism in Streptomyces hydrogenans. Effect of 20β-Hydroxysteroid-Dehydrogenase Inducing Dienediol on RNA-Content and RNA-Profile. - Books Received.

# ACTA MORPHOLOGICA

#### ACADEMIAE SCIENTIARUM HUNGARICAE

#### ADDRESS OF THE OWNER, WHEN PERSONS NAMED IN

J. BALÓ, E. BEREGI, P. ENDES, K. FARKAS, B. HALÁSZ, L. HARANGHY, H. JELLINEK, B. KELLNER, I. KÖRNYEY, I. KROMPECHER, K. LAPIS, GY. ROMHÁNYI, E. SOMOGYI, J. SZENTÁGOTHAI

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Monoamine Oxidase Inhibitor on the Nerve elements of the Isolated Cat Illeum. - Mándi, B.-Gyarmati, J. Jr.-Varga, S., Submicroscopic Structure of Bone in Neonatally Thymectomized Rats. - Ungváry, Gy.-Bors, Zsuzsa-Hudák, Aranka., Regeneration of the Hepatic Arterial System after Partial Hepatectomy. - Guraya, S., S., Lipide Changes in the Prenatal and Early Postnatal Testes of the Guinea Pig. with Reference to Steroid Hormone Synthesis. - Ambach, G .- Palkovits, M., Blood Supply of the Rat Hypothalamus, I. Nucleus Supraopticus. - Ambach, G.-Palkovits, M., Blood Supply of the Rat Hypothalamus. II. Nucleus Paraventricularis. - Klug, H., An Extensive Vacuolar System in the Nuclei of Malignant Melanoma Cells. - Baráth, P .- Csaba, Gy., Biogenic Amine and Amine Precursor Uptake by Thyroid Mast Cells. - Ottó, Sz .-Balogh, I .- Jákó, J., Electron Microscopic Study of Plasma Cells in Immunoproliferative Diseases. - Ottó, Sz.-Balogh, I.-Jákó, J.-Kellner, R., Monoclonal IgA-Kappa Type Protein of Alpha-2 Mobility and Various Plasma Cell Alterations in Plasmocytoma. - Kádas, I.-Lapis, K.-Jobst, K., Electron Microscopic Studies of Liver Changes Induced by Lanthanum Trichloride. -Recensiones.

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## ACTA OECONOMICA

#### PERIODICAL OF THE HUNGARIAN ACADEMY OF SCIENCES

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#### ACTA TECHNICA

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Hotke, R., Compilation d'un projet de restauration aux Pays-Bas - Drafting of a Restoration Project in the Netherlands - Zusammenstellung eines Restaurierungsplanes in Holland. - Pavel, J., Le Château fort Vyšehrad à Prague, monument de culture nationale. Les méthodes de sa réhabilitation - Vyšehrad Castle in Prague, a Monument of National Culture, Methods of its Rehabilitation - Burg Vyšehrad in Prag, ein Denkmal nationaler Kultur. Methoden zu ihrer Rehabilitierung. - Enaud, Fr., La photogrammétrie au service des monuments historiques français - Photogrammetry at the Service of French Historic Monuments - Photogrammetrie im Dienste des Denkmalschutzes in Frankreich. - Zdravkovič, I. M., Smederevo, la plus grande citadelle médiévale serbe - Smederevo, the Biggest Mediaeval Fort of Serbia - Smederevo, die größte mittelalterliche Festung Serbiens. - de Ghellink d'Elseghem, J., La documentation scientifique en Belgique - Scientific Documentation in Belgium - Wissenschaftliche Dokumentation in Belgien. - Machatschek, A., Research and Documentation of Castles in Austria - Recherches et documentations des châteaux en Autriche - Forschungen und Dokumentationen der Schlösser und Burgen in Österreich. - Glemža, J., The Protection Works of Defensive Architectural Monuments in Lithunian SSR - Protection des monuments architecturaux défensifs dans la RSS de Lituanie - Baudenkmalschutz in der SSR Litauen. - de Azeredo, Fr., Les travaux préliminaires au Portugal - Preliminary Works in Portugal - Vorarbeiten des portugiesischen Denkmalschutzes. -Horler, M., Documentation de la reconstruction du château fort de Simontornya - Documentation of the Restoration of Simontornya Castle - Dokumentation der Rekonstruktion der Burg Simontornya. - Gazzola, P., Recommandations concernant la documentation scientifique des châteaux forts - Suggestions on the Scientific Documentation of Castles - Empfehlungen bezüglich der wissenschaftlichen Dokumentation der Burgen. - Kolonits, F., Flash Temperature Compensation in Helical Involute Toothing - Blitztemperaturausgleich bei Evolventen-Schrägverzahnungen — Ghahramani, A.—Sabzevari. A., A Load-Displacement Analysis for Passive Earth Pressure Problems - Analyse der Lastverschiebung zur Lösung der passiven Erddruckprobleme - Csida, S .-Krómer, I., Method for Determining Discharges through an Inductive Voltage Transformer of a Power Transmission Line and its Application. - Verfahren zur Bestimmung der Entladung von Fernleitungen über induktive Spannungswandler und dessen Anwendung. - Dutta, D. K., Effects of Elasticity on a Laminar Flow - Einfluß der Elastizität auf eine laminare Strömung - Pal. A. K., On the Mechanical Response of a Preenergized Semi-conductor Transducer, Loaded with a Delay Dod Subjected to a Time Decaying Polarisation Gradient - Über das mechanische Ansprechen eines vorerregten, mit einem Verzögerungsstab belasteten Halbleitermessumformers, einem mit der Zeit abklingenden Polarisationsgradient unterworfen. - Pethő, S .- Tompos, E., About the New Index Numbers of Separation - Ergebnisse und Erfahrungen im Zusammenhang mit den neuen Kennzahlen der Separierungsoperationen.

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der Wärmeleitfähigkeit der Wände auf die Wärmeübertragung waagerechter zylindrischer Gasschichte — Geszti, T., On the Theory of the Halogen Lamp I. Radial Transport in the Presence of Carbon — Theorie der Halogen-Glühlampen. I. Radialer Transport mit Kohlenstoff. — Geszti, T.—Gaál, I., On the Theory of the Halogen Lamp II. Gas-Controlled Axial Transport — Über die Theorie der Halogenglühlampen II. Gas-kontrollierter axialer Transport. —

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